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Substitute for form 1449/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/799,827
		Filing Date	March 12, 2004
		First Named Inventor	Gates, Jr. et al.
		Art Unit	1774
		Examiner Name	
Sheet 1 of 5	Attorney Docket Number	K-1977	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
A/		US- 2002/0086147	07/04/02	Hirakawa et al.	
		US- 2002/0176755	11/28/02	Ruppi	
		US- 4,720,437	01/19/88	Chudo et al.	
		US- 4,746,563	05/24/88	Nakano et al.	
		US- 4,751,109	06/14/88	Sarin et al.	
		US- 4,966,501	10/30/90	Nomura et al.	
		US- 5,071,696	12/10/91	Chatfield et al.	
		US- 5,135,801	08/04/92	Nystrom et al.	
		US- 5,137,774	08/11/92	Ruppi	
		US- 5,162,147	11/10/92	Ruppi	
		US- 5,296,016	03/22/94	Yoshimura et al.	
		US- 5,330,553	07/19/94	Weinl et al.	
		US- 5,330,853	07/19/94	Hofmann et al.	
		US- 5,372,873	12/13/94	Yoshimura et al.	
		US- 5,374,471	12/20/94	Yoshimura et al.	
		US- 5,436,071	07/25/95	Odani et al.	
		US- 5,487,625	01/30/96	Ljungberg et al.	
	A/		US- 5,516,588	05/14/96	van den Berg et al.
		US- 5,545,490	08/13/96	Oshika	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A/		EE 0 149 024 B2	03/10/93	Mitsubishi Mat.	
		EP 0 196 201 B2	10/02/91	Sumitomo Electric	
		EP 0 247 630 A2	12/02/87	NGK Spark Plug	
		EP 0 263 747 B1	08/04/93	Mitsubishi Mat.	
A/		EP 0 492 059 B1	07/26/00	Mitsubishi Mat.	
		EP 0 594 875 B1	03/12/97	Mitsubishi Mat.	

Examiner Signature	Date Considered	6/06
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 5

Complete if Known

Application Number	10/799,827
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U. S. PATENT DOCUMENTS					
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A		US- 5,549,975	08/27/96	Schulz et al.	
		US- 5,576,093	11/19/96	Yoshimura et al.	
		US- 5,587,233	12/24/96	Konig et al.	
		US- 5,589,223	12/31/96	Odani et al.	
		US- 5,597,272	01/28/97	Moriguchi et al.	
		US- 5,635,247	06/03/97	Ruppi	
		US- 5,652,045	07/29/97	Nakamura et al.	
		US- 5,654,035	08/05/97	Ljungberg et al.	
		US- 5,665,431	09/09/97	Narasimhan	
		US- 5,674,564	10/07/97	Ljungberg et al.	
		US- 5,681,651	10/28/97	Yoshimura et al.	
		US- 5,693,408	12/02/97	van den Berg et al.	
		US- 5,700,569	12/23/97	Ruppi	
		US- 5,702,808	12/30/97	Ljungberg	
		US- 5,705,263	01/06/98	Lenander et al.	
		US- 5,766,782	06/16/98	Ljungberg	
		US- 5,770,261	06/23/98	Nakamura et al.	
		US- 5,776,588	07/07/98	Moriguchi et al.	
		US- 5,786,069	07/28/98	Ljungberg et al.	

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A		Country Code ² Number ³ Kind Code ⁴ (if known)			T ⁵
		EP 0 600 115 B1	10/16/96	Mitsubishi Mat.	
		EP 0 678 594 B1	05/26/99	Sandvik	
		EP 0 685 572 B1	07/19/00	Mitsubishi Mat.	
		EP 0 686 707 A1	12/13/95	Mitsubishi Mat.	
		EP 0 709 484 A1	05/01/96	Mitsubishi Mat.	
		EP 0 732 423 B1	06/20/01	Sumitomo Ele.	

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Date Considered:

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A		US- 5,800,868	09/01/98	Lenander et al.	
		US- 5,834,061	11/10/98	Ljungberg	
		US- 5,851,687	12/22/98	Ljungberg	
		US- 5,861,210	01/19/99	Lenander et al.	
		US- 5,863,640	01/26/99	Ljungberg et al.	
		US- 5,869,147	02/09/99	Konig	
		US- 5,871,850	02/16/99	Moriguchi et al.	
		US- 5,902,671	05/11/99	Kutscher	
		US- 5,912,051	06/15/99	Olsson et al.	
		US- 5,915,162	06/22/99	Uchino et al.	
		US- 5,920,760	07/06/99	Yoshimura et al.	
		US- 5,942,318	08/24/99	Soderberg et al.	
		US- 5,945,207	08/31/99	Kutscher et al.	
		US- 5,958,569	09/28/99	Leverenz et al.	
		US- 5,968,595	10/19/99	Kutscher	
		US- 5,972,495	10/26/99	Ishii et al.	
		US- 5,980,988	11/09/99	Ljungberg	
		US- 5,985,427	11/16/99	Ueda et al.	
		US- 6,007,909	12/28/99	Rolander et al.	

FOREIGN PATENT DOCUMENTS

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A		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0 786 536 A1	07/30/97	Mitsubishi Mat.		
		EP 0 878 563 A1	11/18/98	Mitsubishi Mat.		
		EP 0 878 563 B1	10/17/01	Mitsubishi Mat.		
		EP 0 900 860 A2	03/10/99	Mitsubishi Mat.		
		EP 1 118 688 A1	07/25/01	Seco Tools AB		
		EP 1 122 334 A1	08/08/01	Seco Tools AB		

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		Number-Kind Code ² (if known)			
A		US- 6,015,614	01/18/00	Ruppi	
		US- 6,056,999	05/02/00	Narasimhan	
		US- 6,062,776	05/16/00	Sandman et al.	
		US- 6,071,601	06/06/00	Oshika et al.	
		US- 6,090,476	07/18/00	Thysell et al.	
		US- 6,093,479	07/25/00	Yoshimura et al.	
		US- 6,139,921	10/31/00	Taschner et al.	
		US- 6,156,383	12/05/00	Ishii et al.	
		US- 6,177,178 B1	01/23/01	Ostlund et al.	
		US- 6,183,846B1	02/06/01	Moriguchi et al.	
		US- 6,187,421B1	02/13/01	Moriguchi et al.	
		US- 6,200,671	03/13/01	Lindskog et al.	
		US- 6,207,262B1	03/27/01	Ichikawa et al.	
		US- 6,221,469B1	04/24/01	Ruppi	
		US- 6,251,508B1	06/26/01	Ruppi	
		US- 6,261,673B1	07/17/01	Reineck et al.	
		US- 6,274,249B1	08/14/01	Braendle et al.	
	A		US- 6,284,356B1	09/04/01	Kiriyama
		US- 6,293,739B1	09/25/01	Uchino et al.	

FOREIGN PATENT DOCUMENTS					
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A		EP 1 160 353 A1	12/05/01	Mitsubishi Mat.	
		EP 1 209 255 A2	05/29/02	Sandvik	
A		EP 1 245 698 A2	10/02/02	Mitsubishi Mat.	
		EP 1 245 700 A1	10/02/02	Seco Tools AB	

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Sheet 5 of 5

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A		US- 6,333,098 B1	12/25/01	Olsson et al.	
		US- 6,333,103 B1	12/25/01	Ishii et al.	
		US- 6,338,894 B1	01/15/02	Hirakawa et al.	
		US- 6,379,798 B1	04/30/02	Yazaki	
		US- 6,383,624 B1	05/07/02	Soderberg et al.	
		US- 6,406,224 B1	06/18/02	Ostlund et al.	
		US- 6,413,628 B1	07/02/02	Narasimhan	
		US- 6,426,137 B1	07/30/02	Oshika et al.	
		US- 6,436,519 B2	08/20/02	Holzschun	
		US- 6,472,060 B1	10/29/02	Ruppi et al.	
A		US- 6,617,058 B2	09/09/03	Schier	
		US- 6,620,498 B2	09/16/03	Ruppi et al.	
		US- 6,627,335 B2	09/30/03	Kodama et al.	
		US- 6,638,609 B2	10/28/03	Nordgren et al.	
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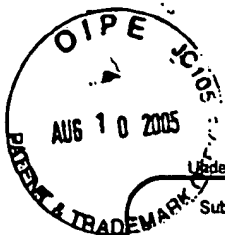
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A		US- 6,599,062 B1	07/29/2003	Oles et al.	
		US-			
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Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>AD</i>		S. RUPPI et al, "Chemical Vapour Deposition of K-Al ₂ O ₃ ", Thin Solid Films 388 (2001) pp. 50-61	
		COLOMBIER et al., "Formation of Mixed TiC/Al ₂ O ₃ Layers and alpha- and kappa-Al ₂ O ₃ on Cemented Carbides by Chemical Vapour Deposition", Jr. of Mat. Sci, 24 (1989) pp. 462-470	
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Examiner Signature	<i>[Signature]</i>	Date Considered	6/06
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